

FIG. 1A

Figure 1B

List of Foods Approved for Irradiation in the USA

Product	Type of Clearance	Date	Dose Max (kGy)
Animal Feed and Pet Food	Unconditional	Sep-95	25.00
Apple	Unconditional	Apr-86	1.00
Apricot	Unconditional	Apr-86	1.00
Apricot (dried)	Unconditional	Apr-86	1.00
Avocado	Unconditional	Apr-86	1.00
Banana	Unconditional	Apr-86	1.00
Cherries	Unconditional	Apr-86	1.00
Chicken	Unconditional	May-90	3.00
Chicken Meat (Mechanically Separated)	Unconditional	May-90	3.00
Currants, Red	Unconditional	Apr-86	1.00
Dates	Unconditional	Apr-86	1.00
Enzymes (Dehydrated)	Unconditional	Apr-86	10.00
Figs (Dried)	Unconditional	Apr-86	1.00
Fruit	Unconditional	Apr-86	1.00
Fruit's (Dried)	Unconditional	Apr-86	1.00
Grapes	Unconditional	Apr-86	1.00
Guava	Unconditional	Apr-86	1.00
Herbs	Unconditional	Apr-86	30.00
Jujube (Dried)	Unconditional	Apr-86	1.00
Lemon	Unconditional	Apr-86	1.00
Litchi	Unconditional	Apr-86	1.00
Mandarin	Unconditional	Apr-86	1.00
Mango	Unconditional	Apr-86	1.00
Meat	Unconditional	Dec-97	4.50
Melon	Unconditional	Dec-97	7.00
Orange	Unconditional	Apr-86	1.00
Papaya	Unconditional	Apr-86	1.00
Potato	Unconditional	Jan-64	0.15
Pear	Unconditional	Apr-86	1.00
Persimmon	Unconditional	Apr-86	1.00
Pineapple	Unconditional	Apr-86	1.00
Plum	Unconditional	Apr-86	1.00
Pork	Unconditional	Jul-85	1.00
Poultry	Unconditional	Mar-90	3.00
Poultry Products	Unconditional	Mar-90	3.00
Raisins	Unconditional	Apr-86	1.00
Spices	Unconditional	Apr-86	30.00
Strawberry	Unconditional	Apr-86	1.00
Vegetables	Unconditional	Apr-86	1.00
Vegetables (Dried)	Unconditional	Apr-86	1.00
Vegetable Seasonings	Unconditional	Apr-86	30.00
Wheat	Unconditional	Jan-63	0.50
Wheat Flour	Unconditional	Jan-63	0.50
White Potatoes	Unconditional	Jan-64	0.15

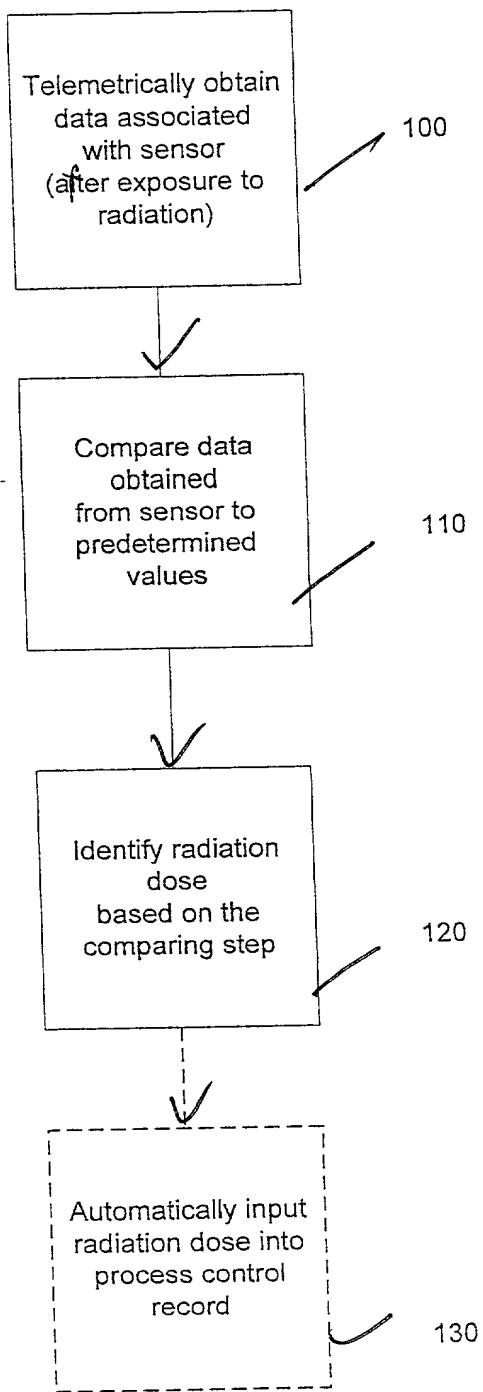


FIG. 2

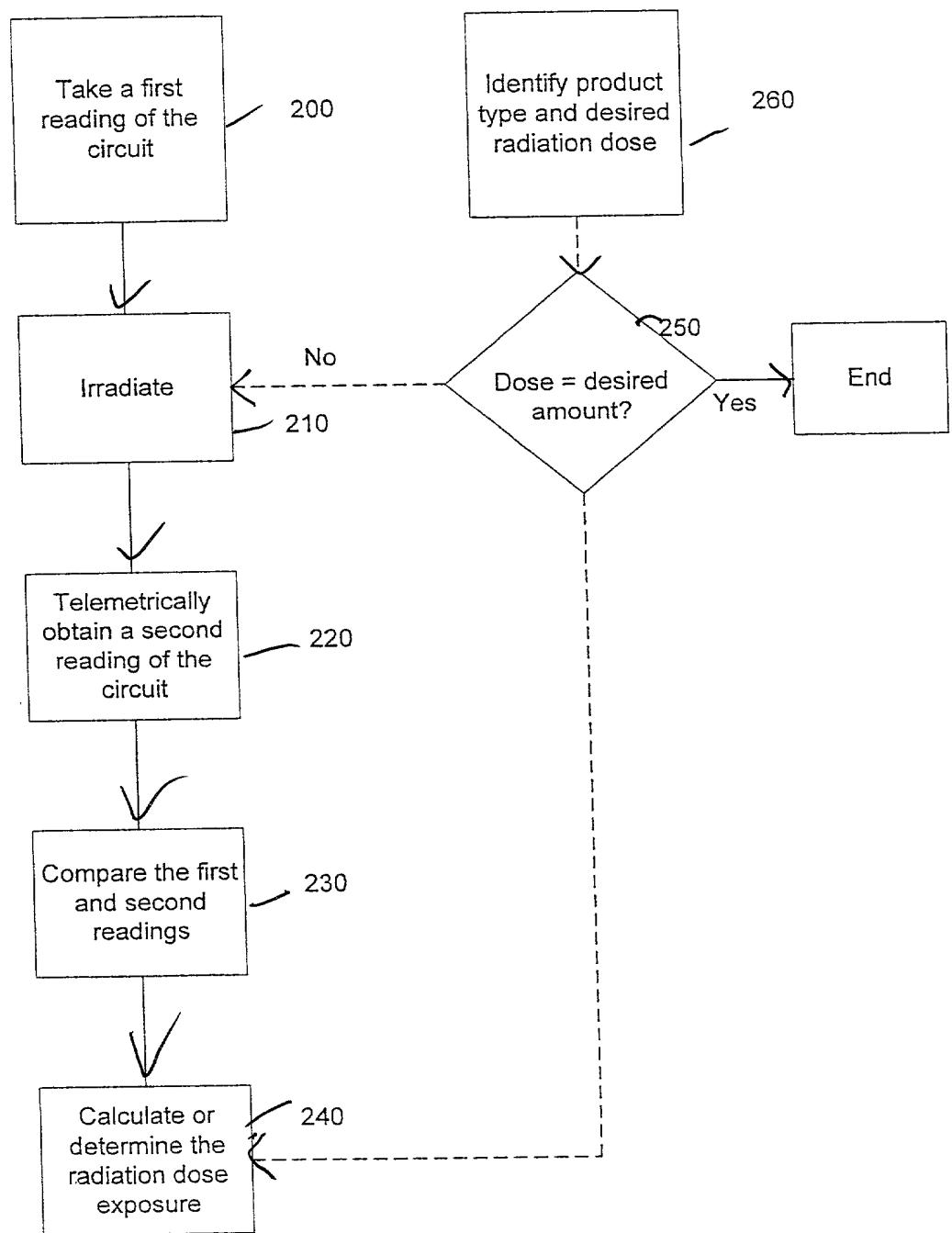


Fig. 3

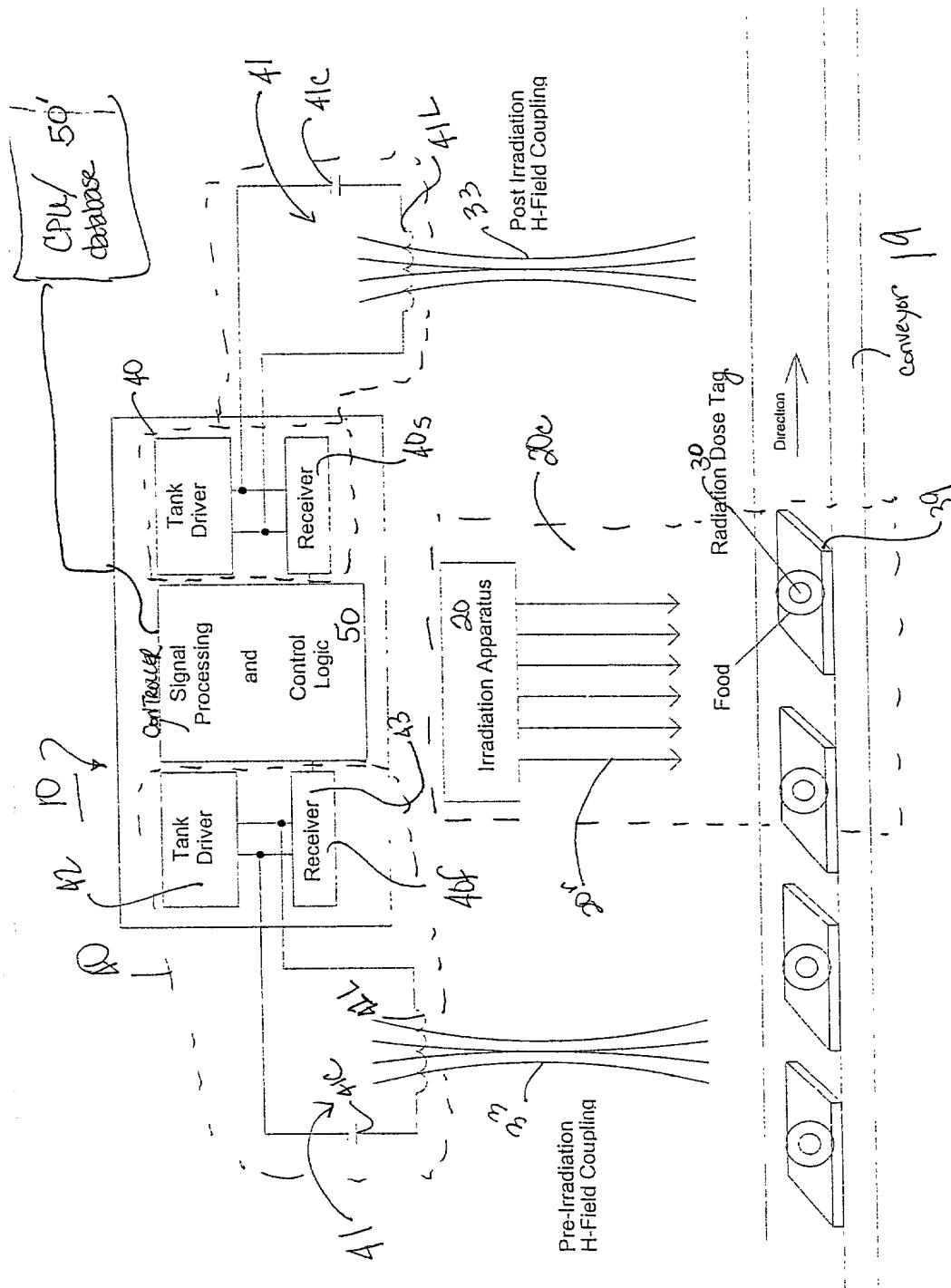


Figure 4

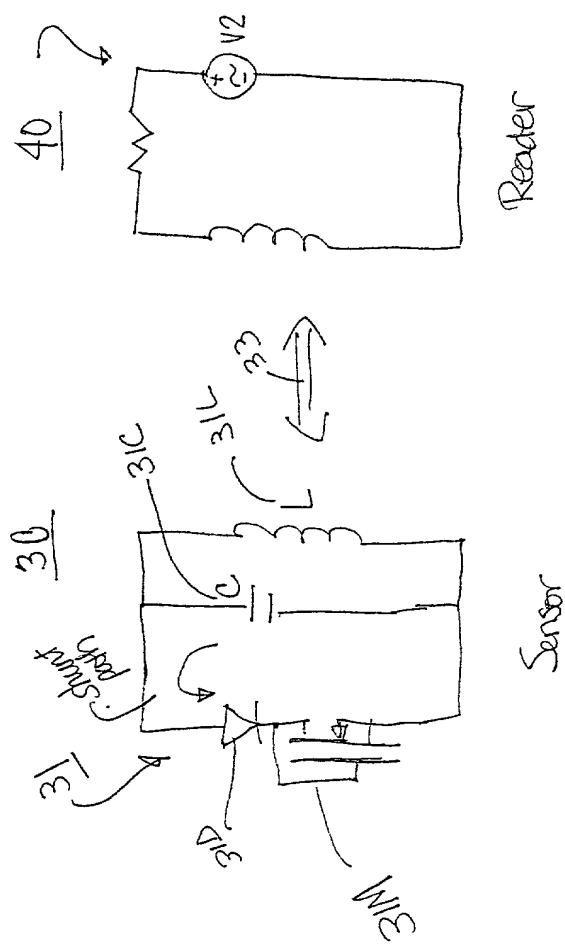
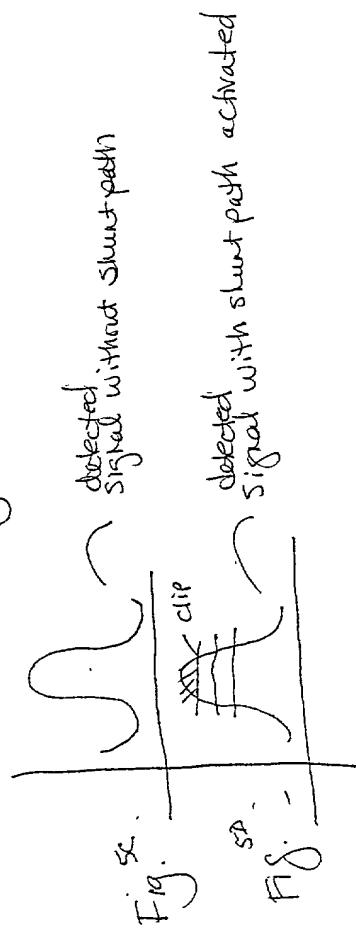


Figure 5: A



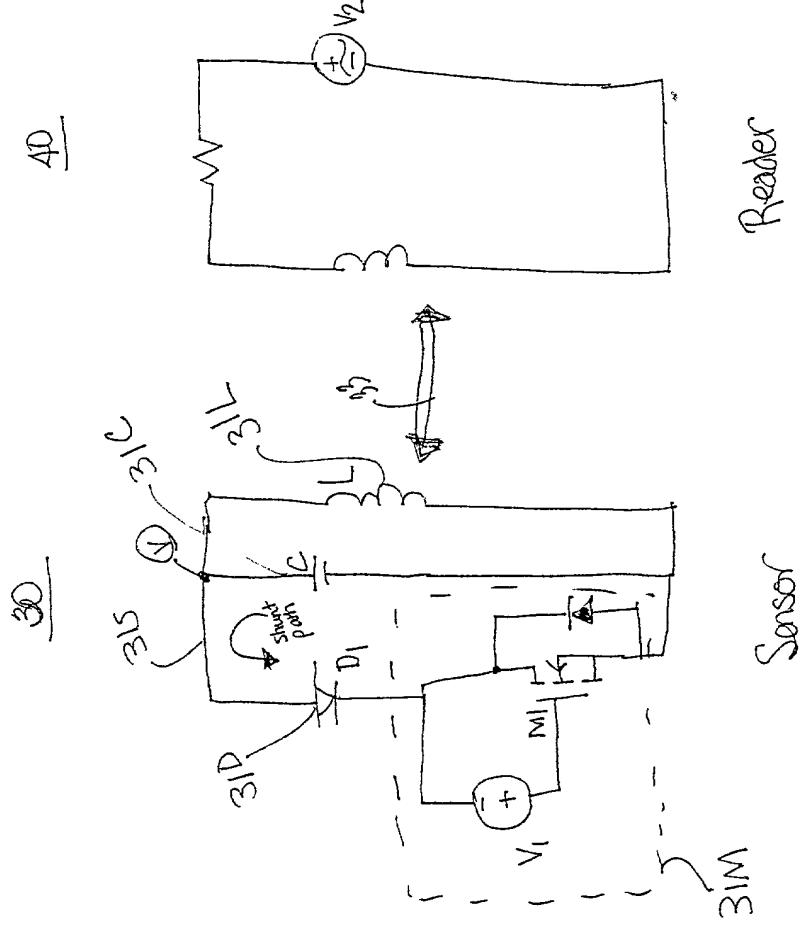


Figure 6B

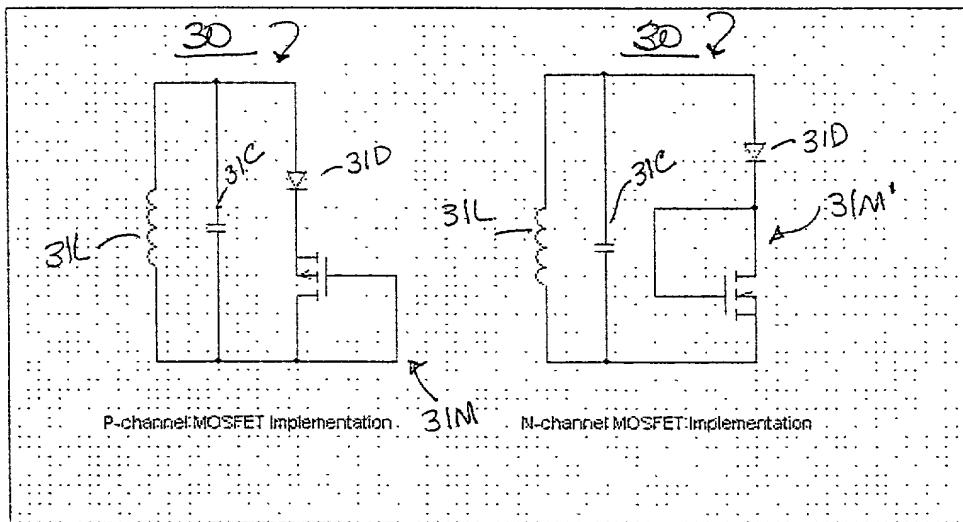


Fig. 5E

Fig. 5F

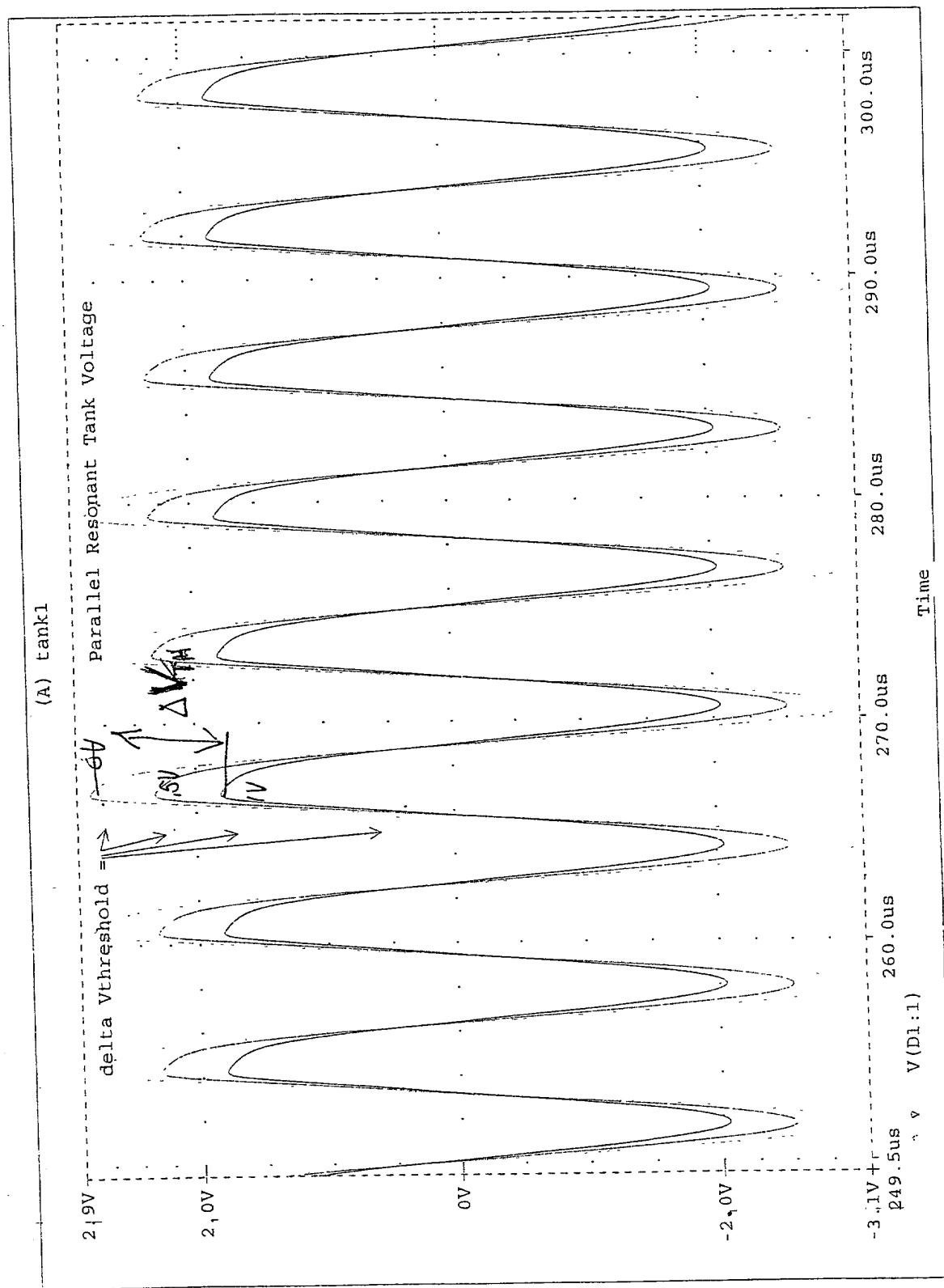


Figure 6A

N channel

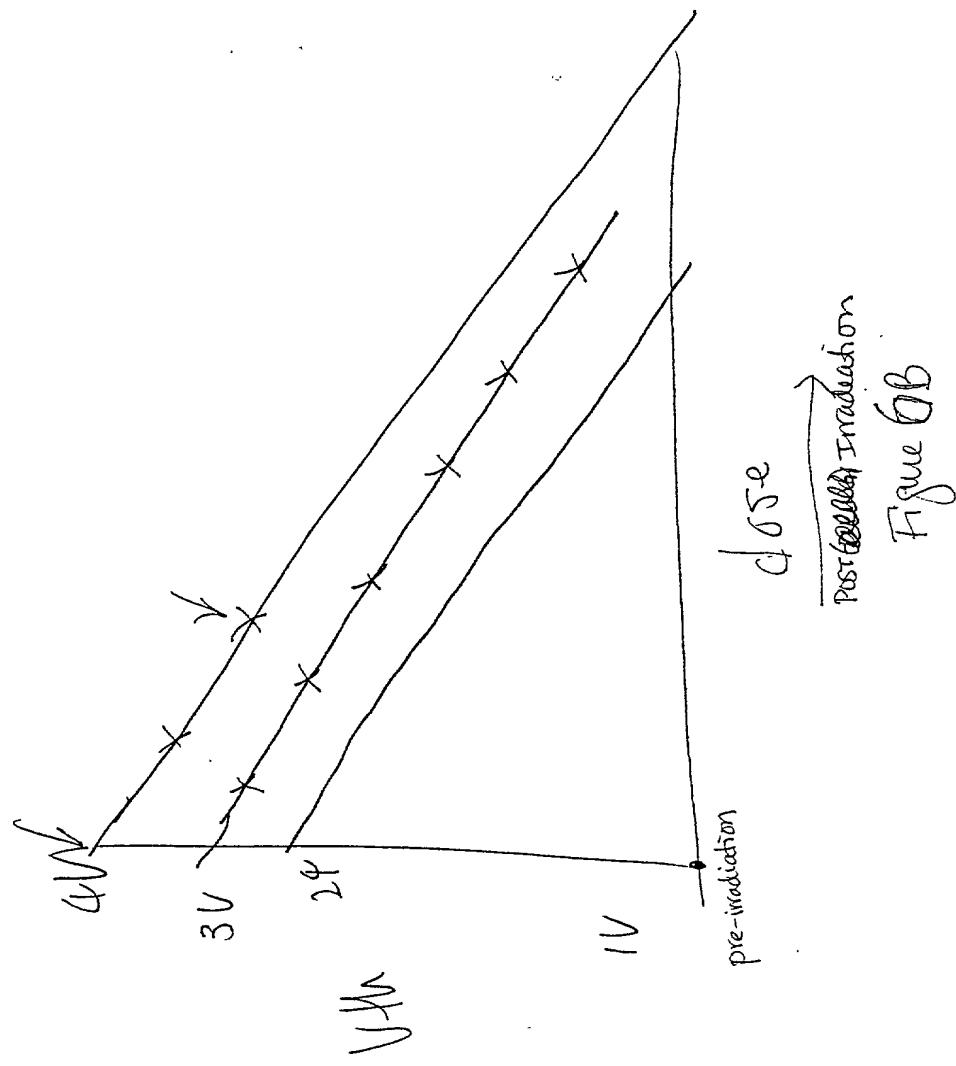


Figure 6B

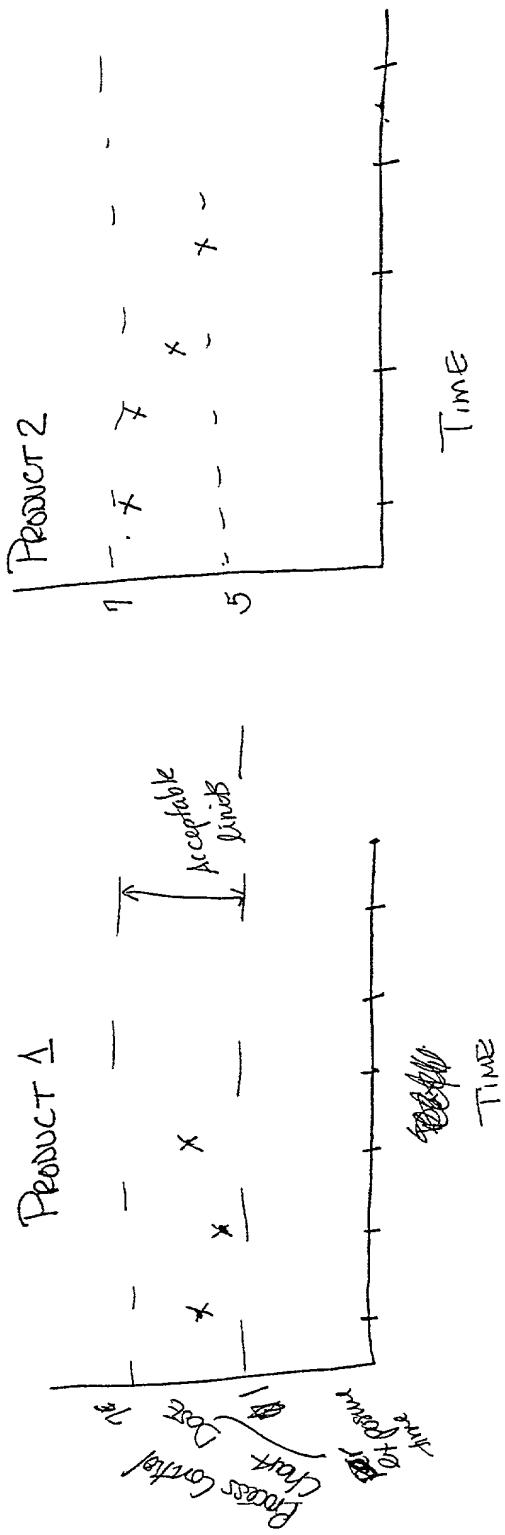


FIG. 7A

FIG. 7B

(A) tank1

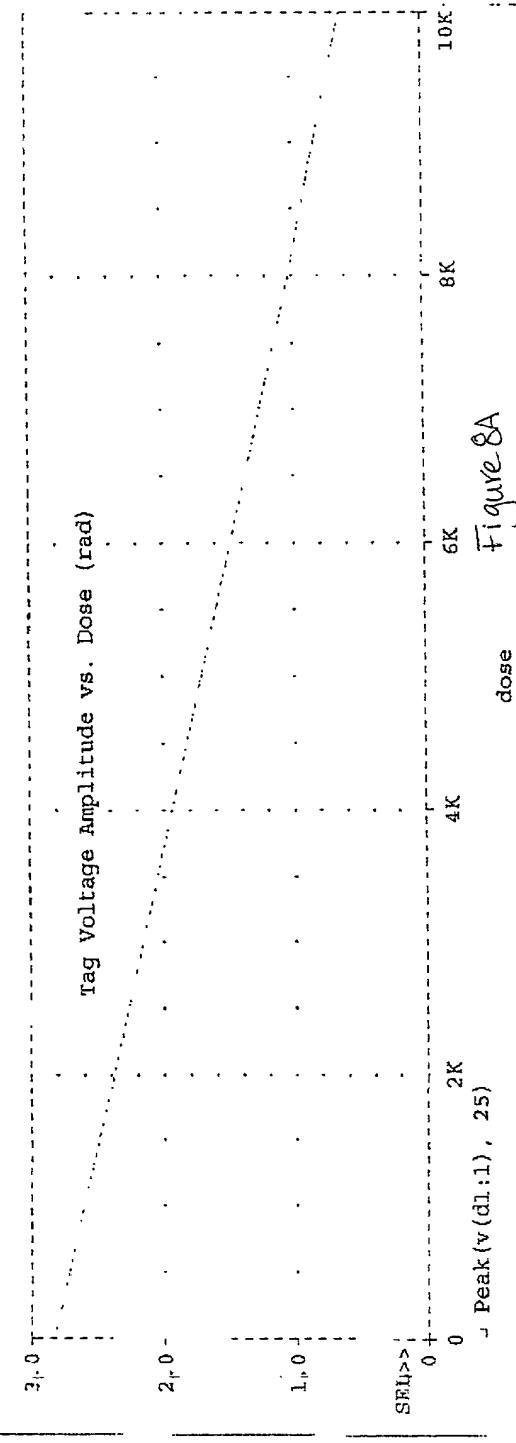


Figure 8A

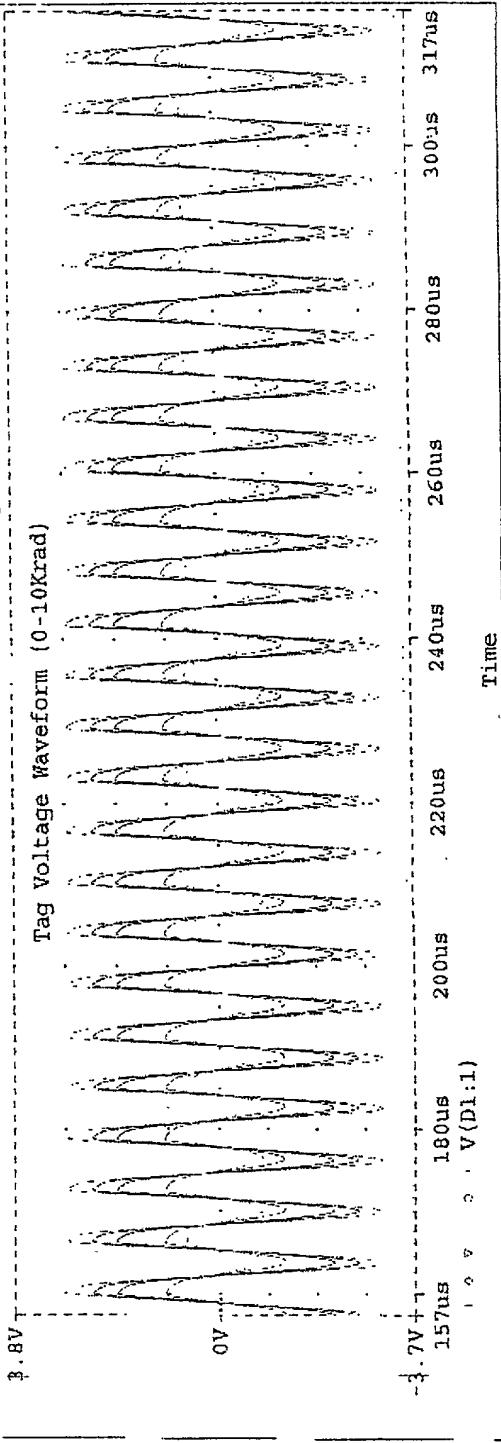


Figure 8B

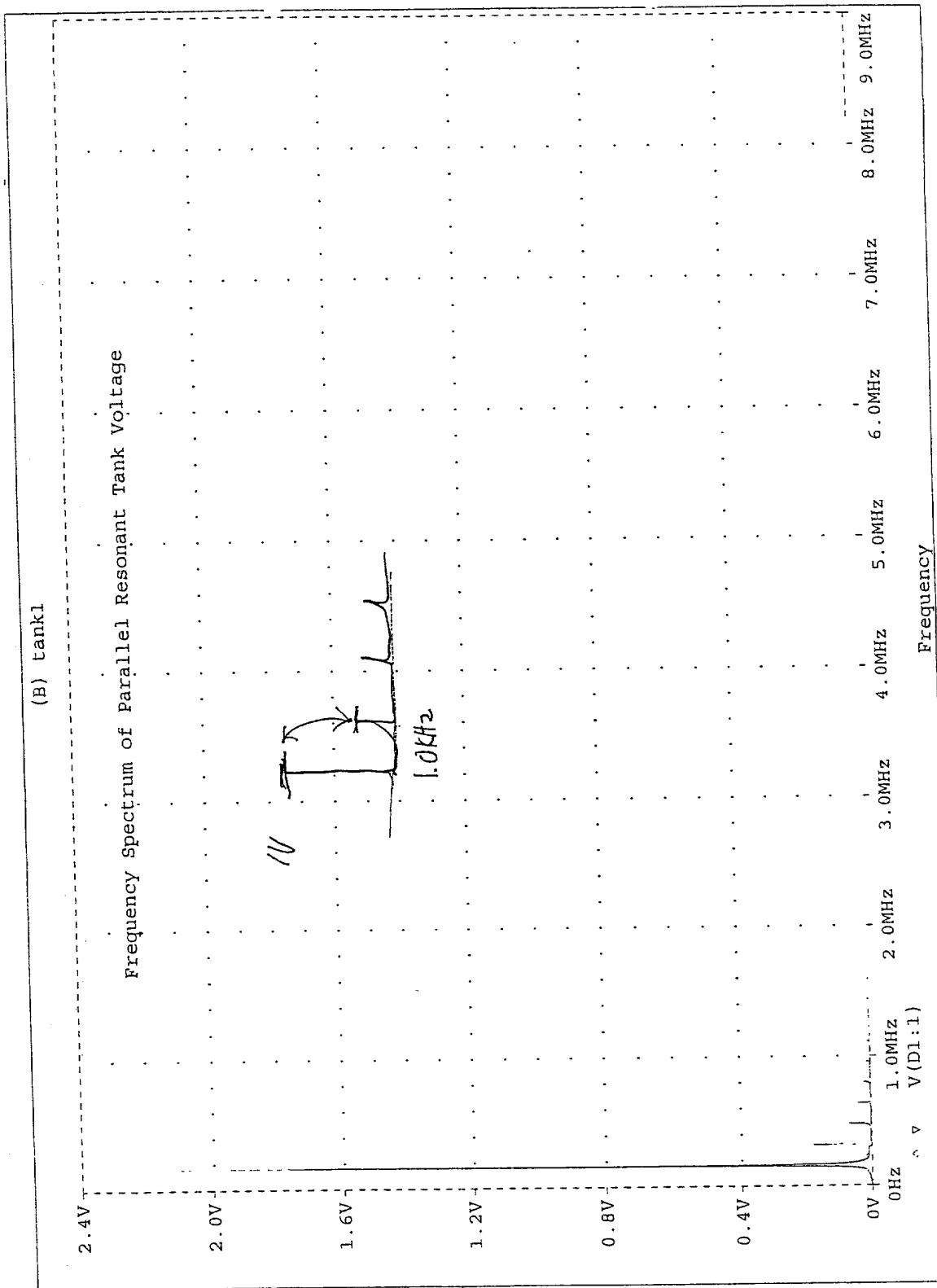


Figure 9A

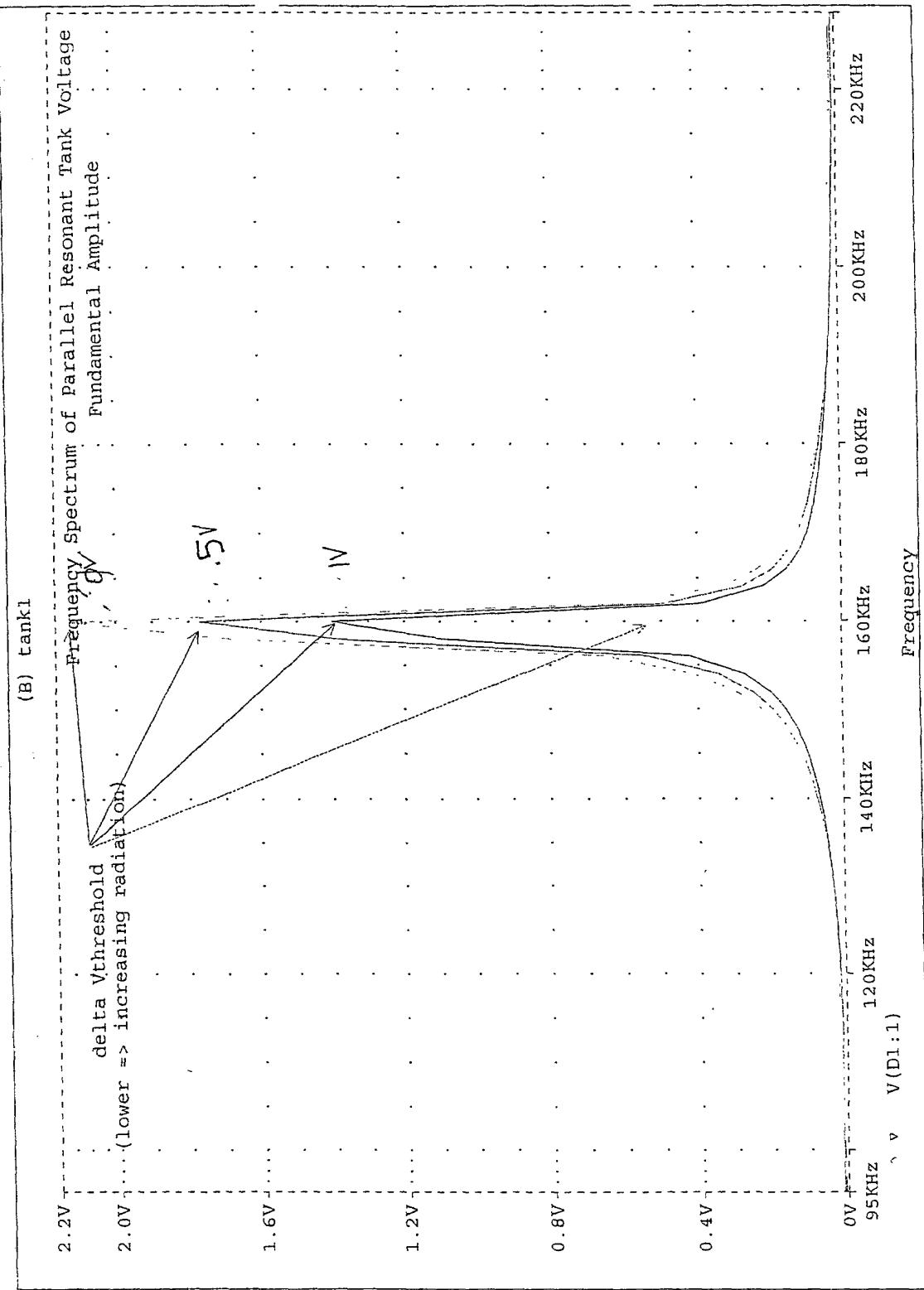


Figure 9B

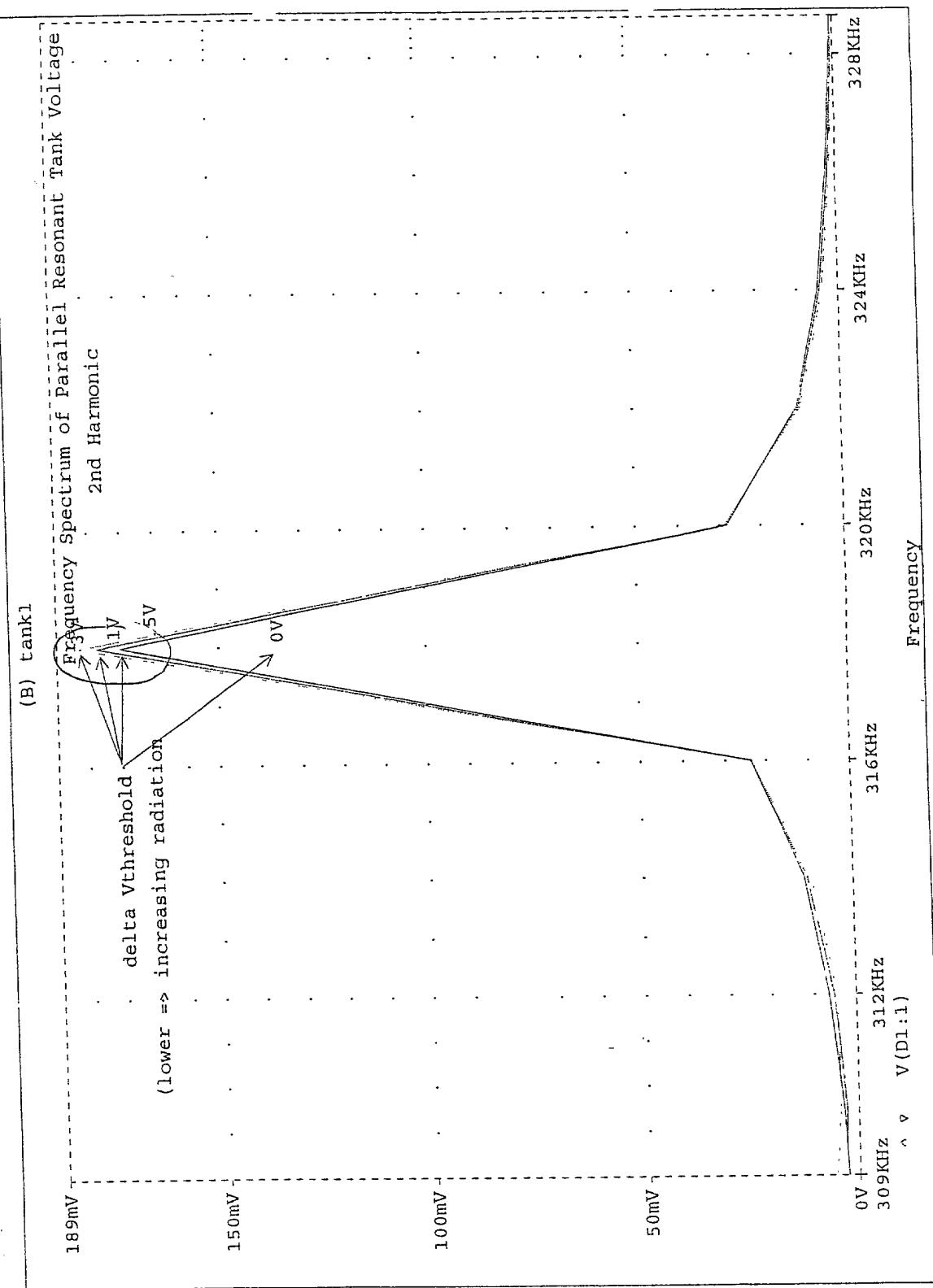


Figure AC

30 31L 31M, 31C 238 138

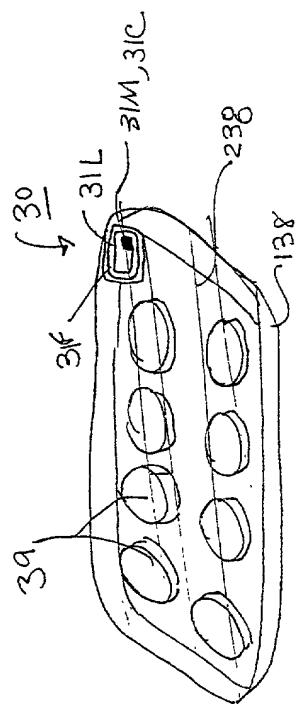


Figure 10

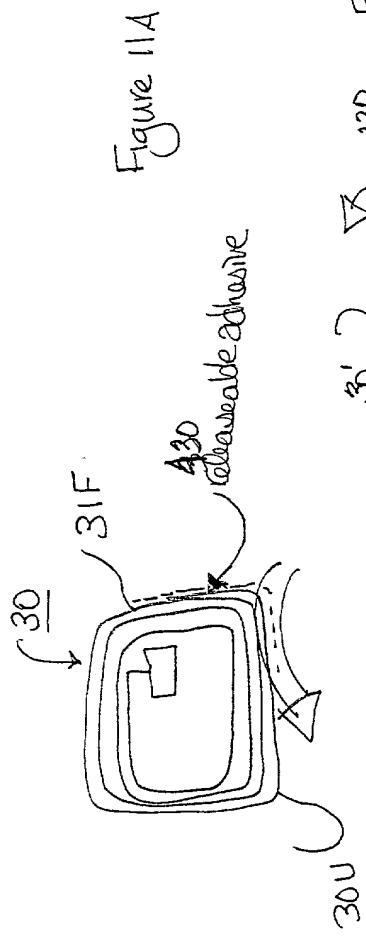


Figure 11A

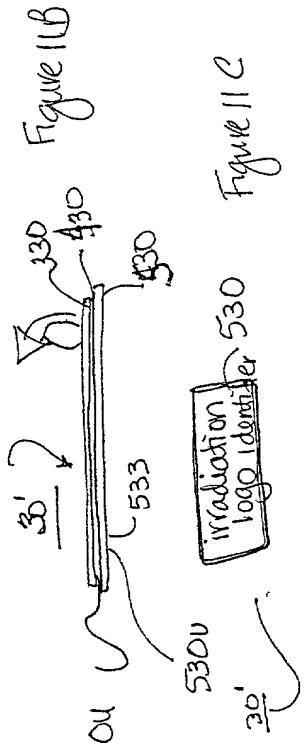


Figure 11B

Figure 11C

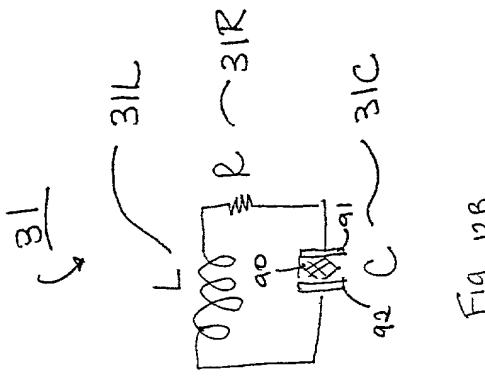


Fig. 12B

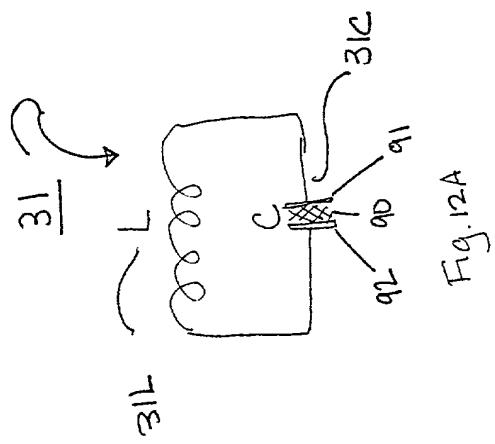


Fig. 12A

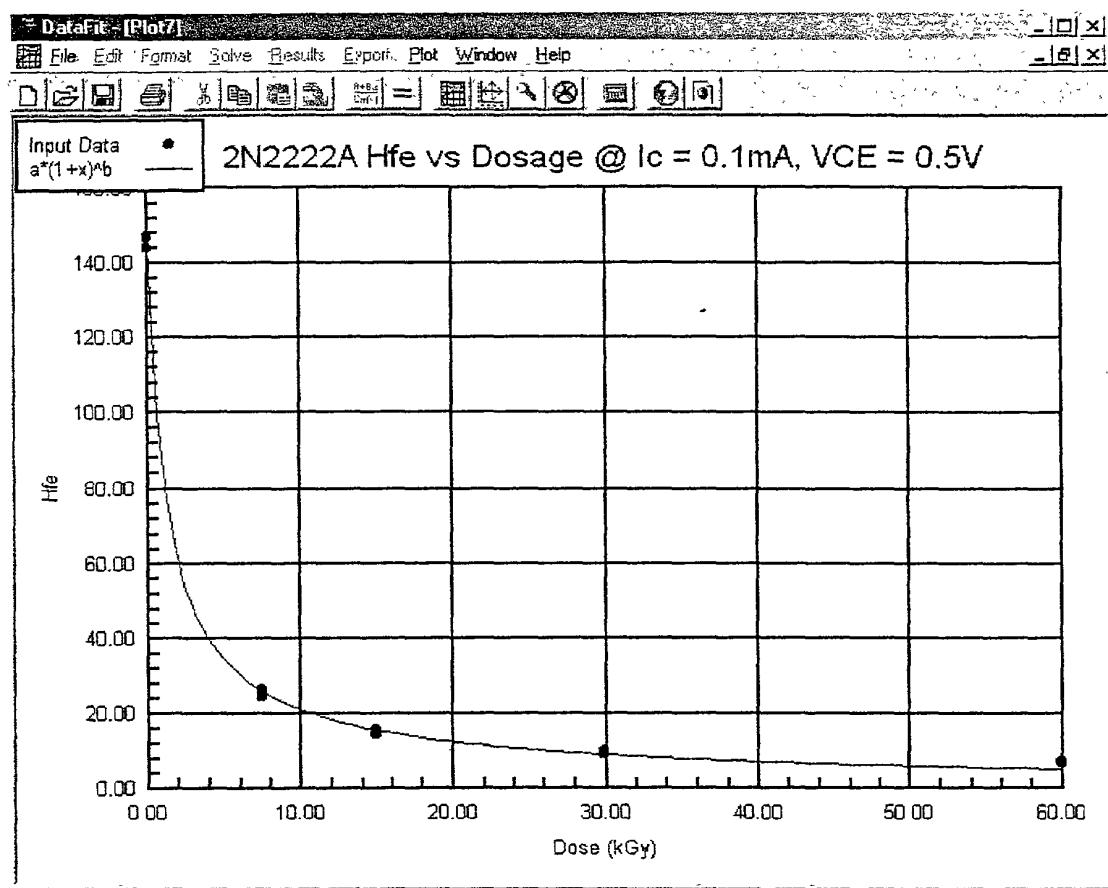
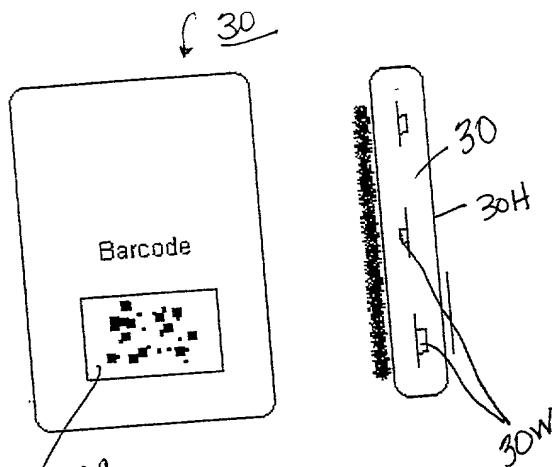


Figure 13, 2N2222A Hfe vs. Total Dose.

Figure 13



308c Figure 6. Dosimeter Tag

14

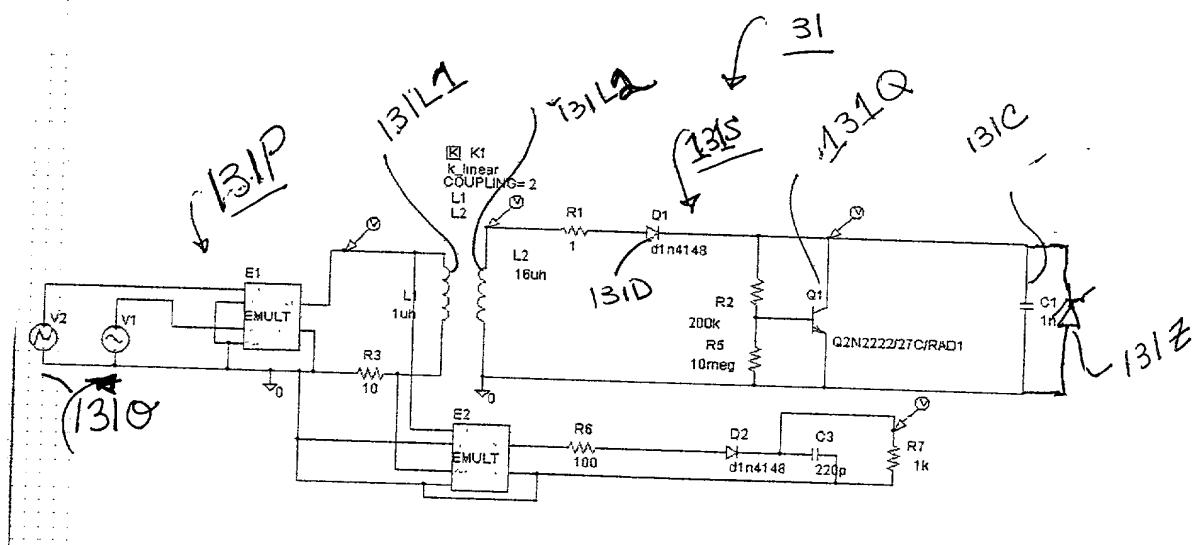


Fig. 17

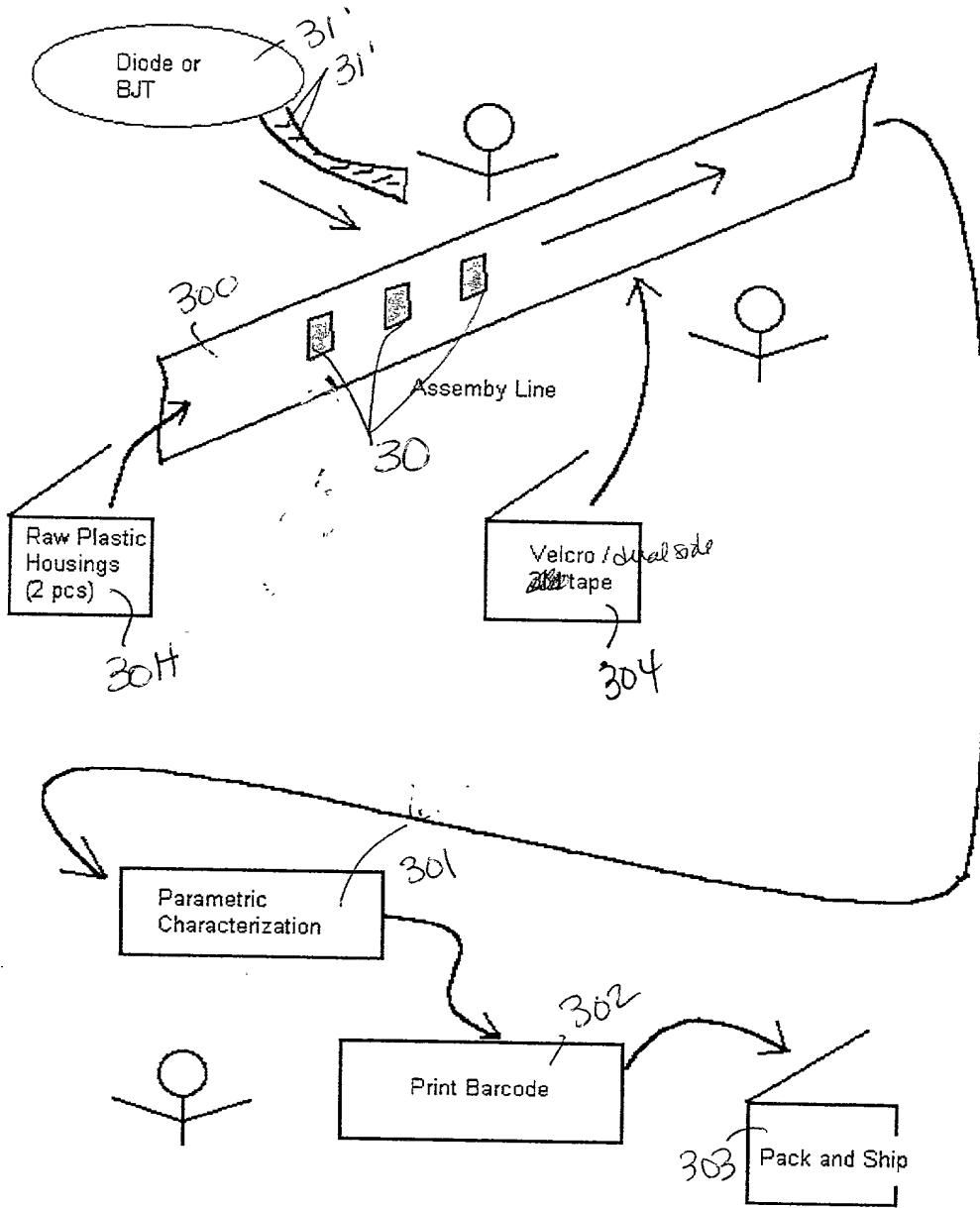
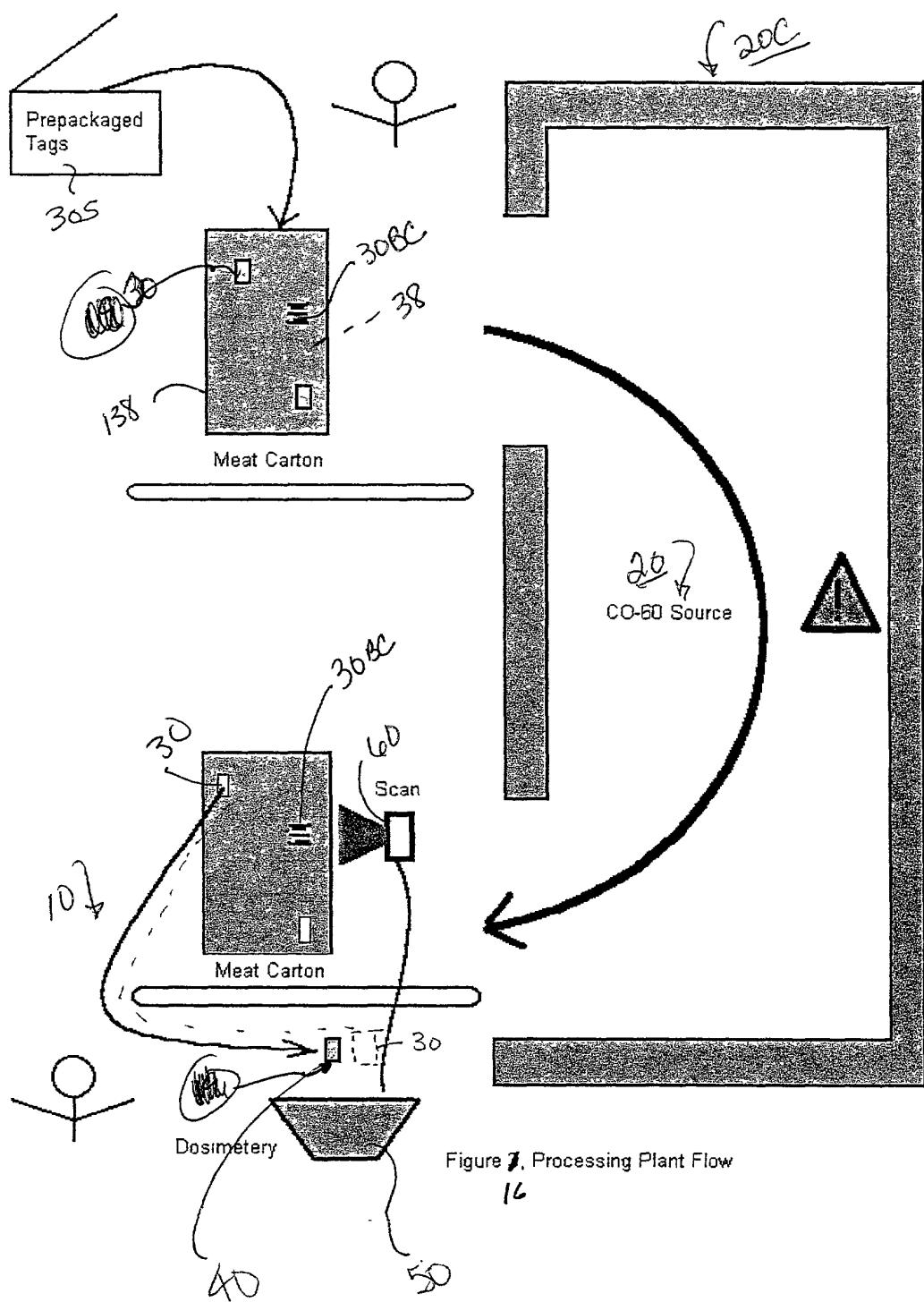


Figure 1, Tag Manufacture



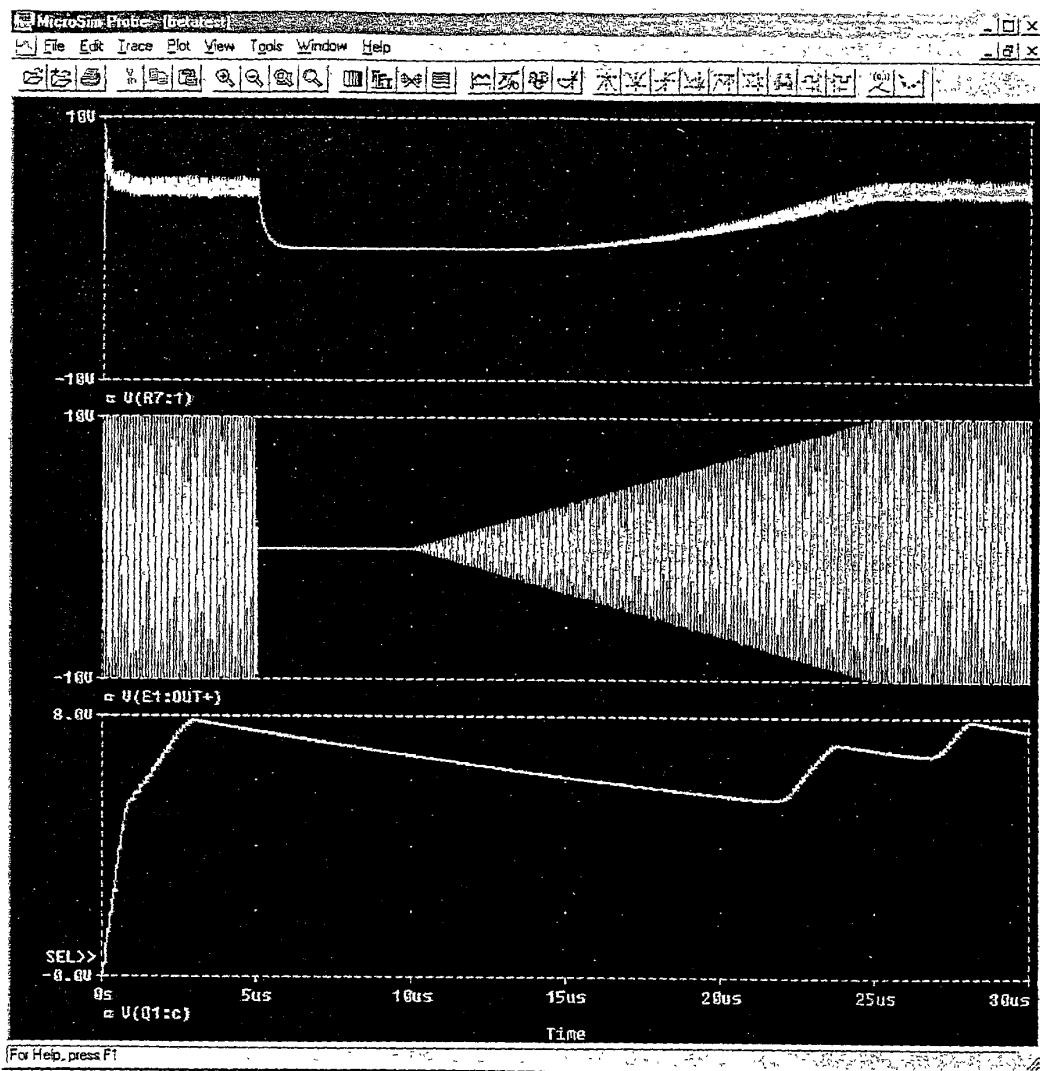


Figure 18, Operational waveforms.

18A-18C

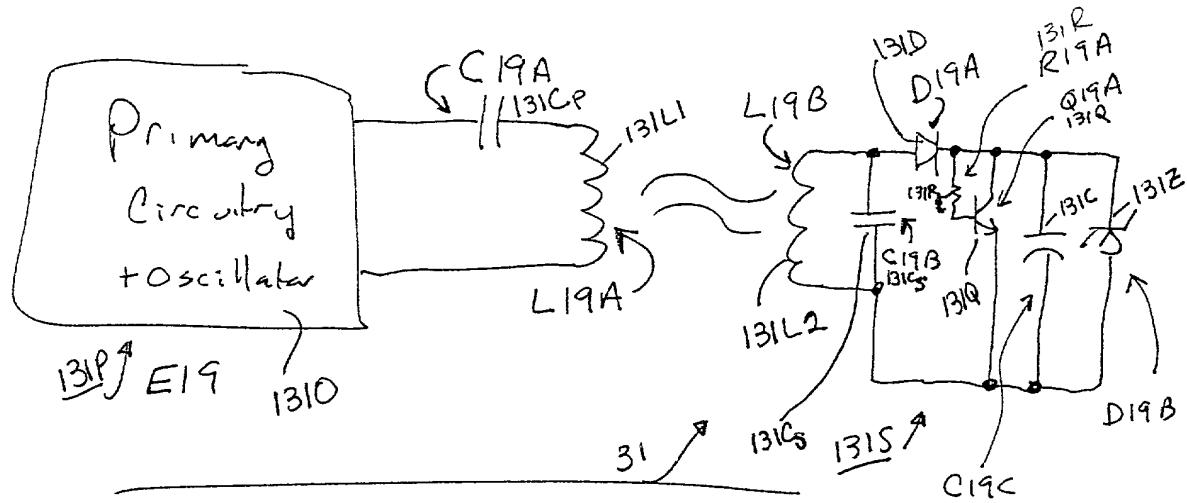


Figure 19

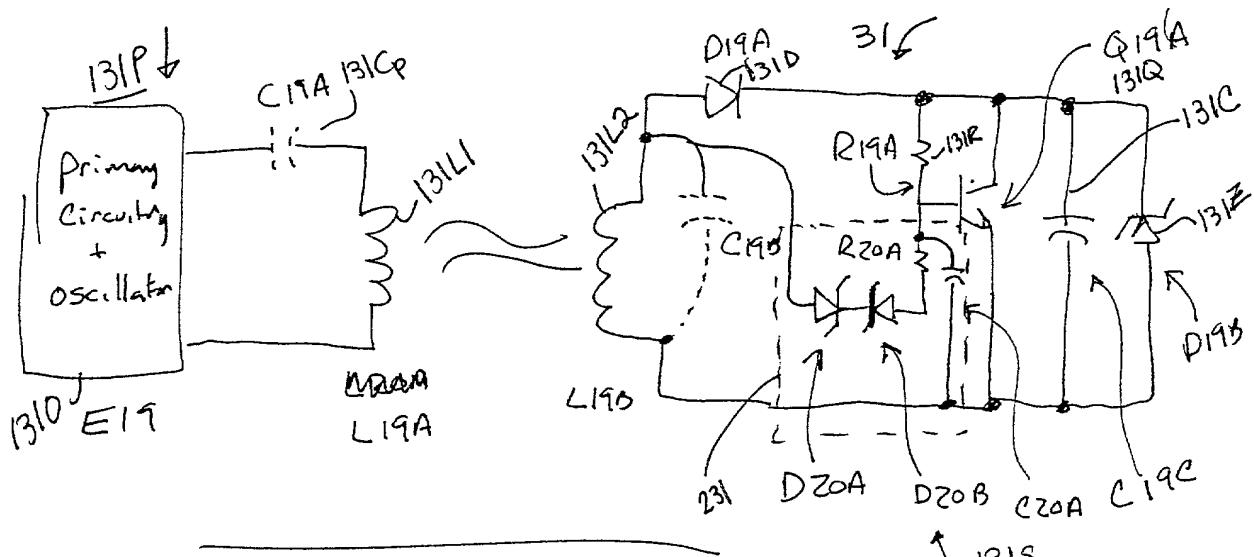
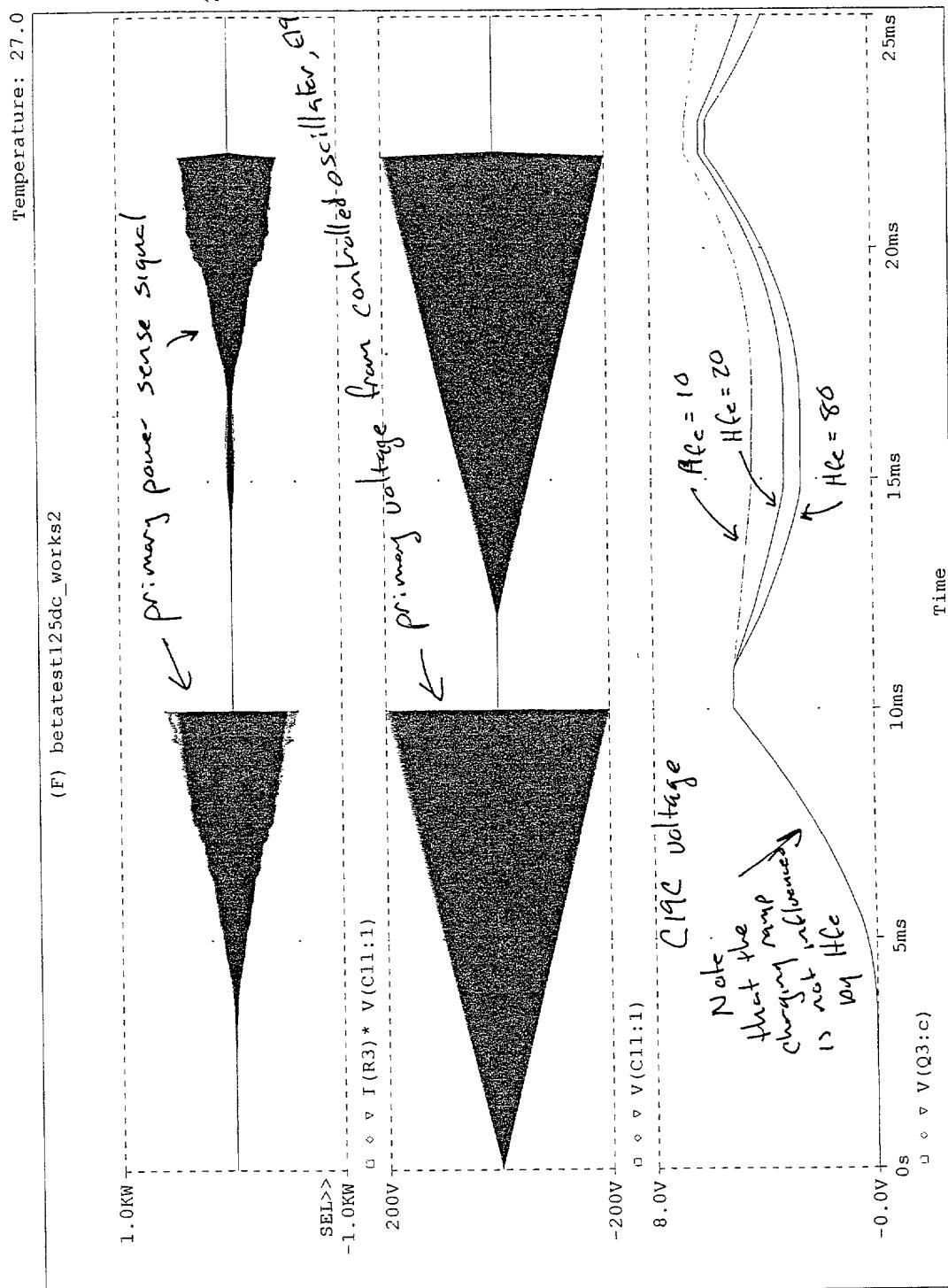


Figure 20.



Figures21A-C

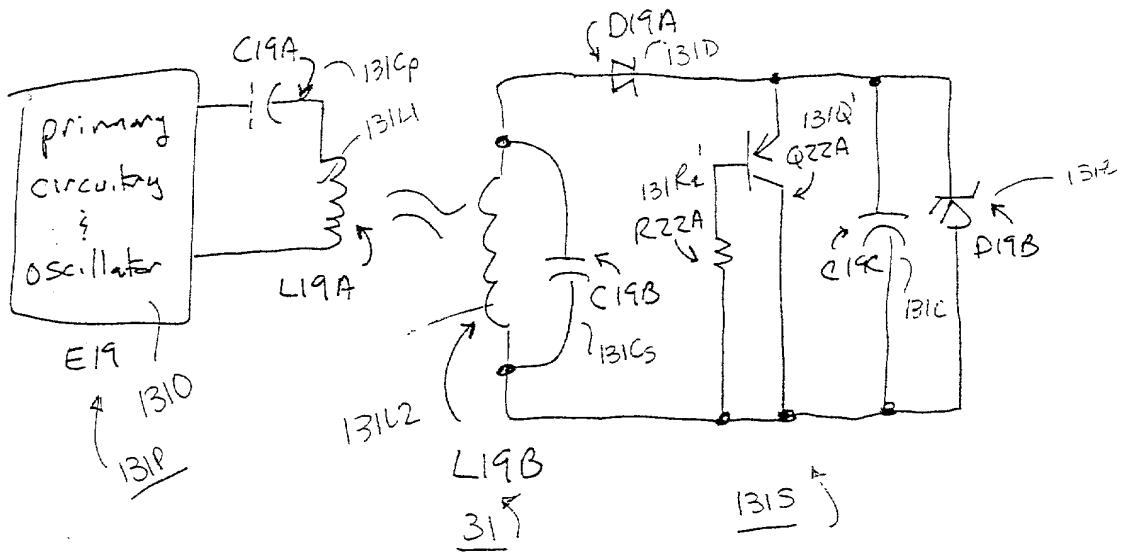


Figure 22

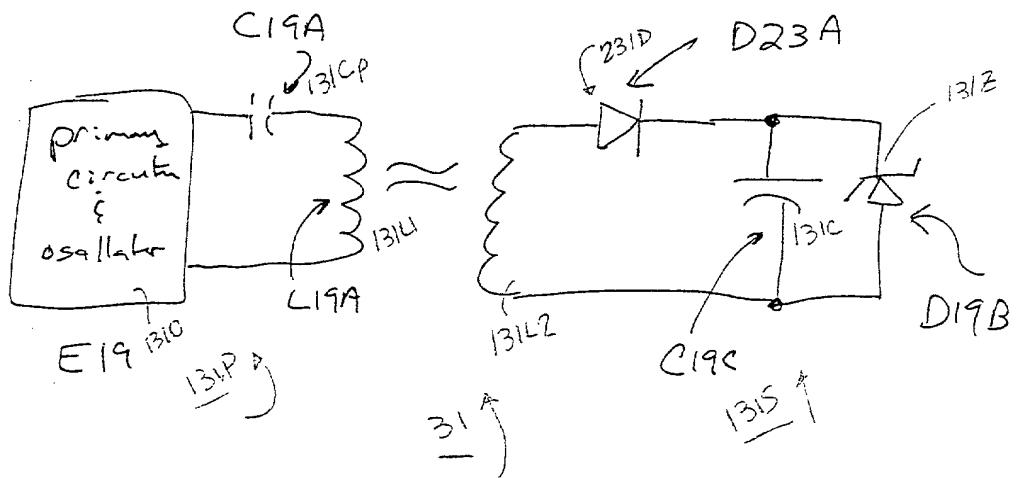
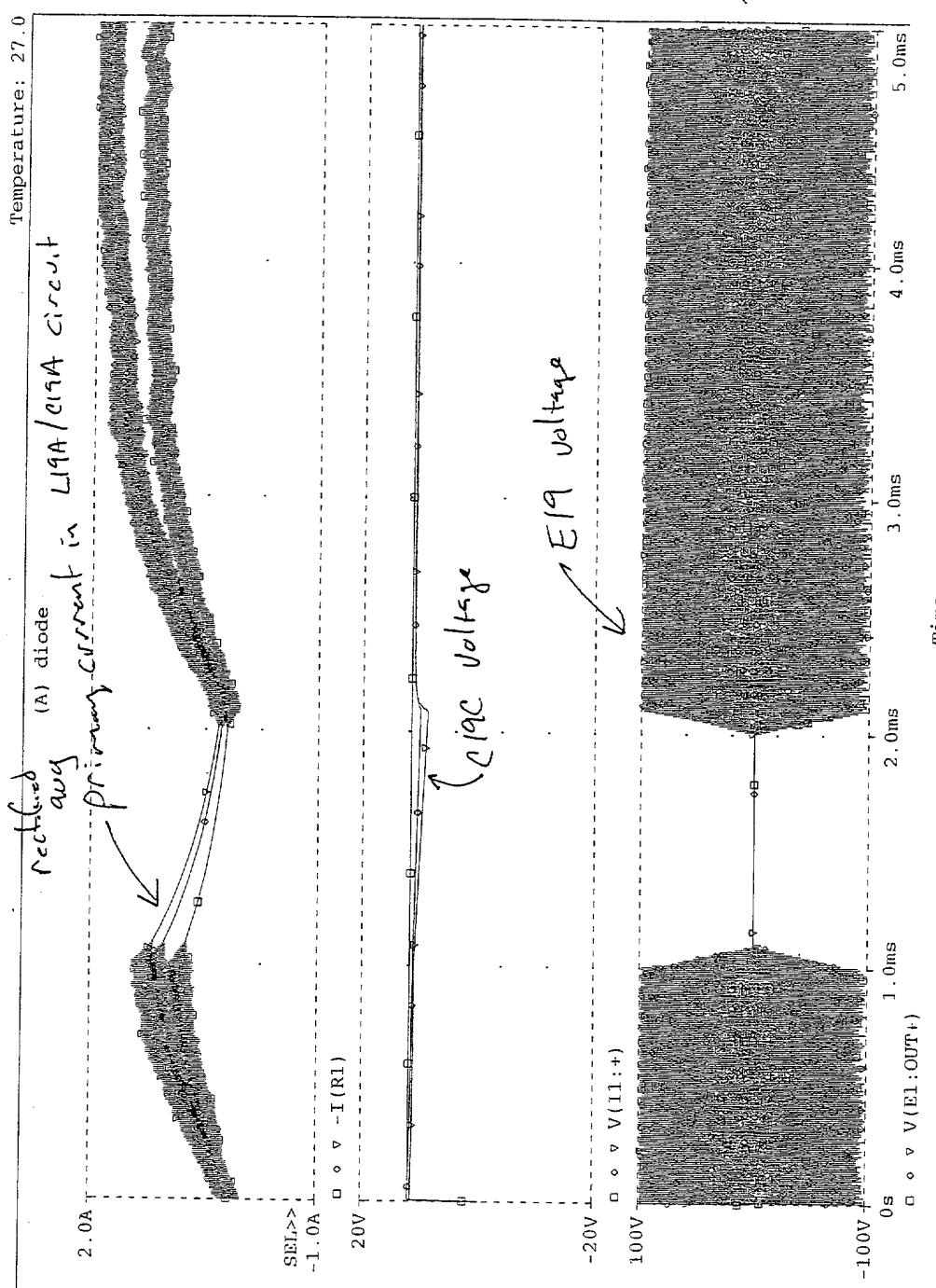


Figure 23



Figures 24A-C

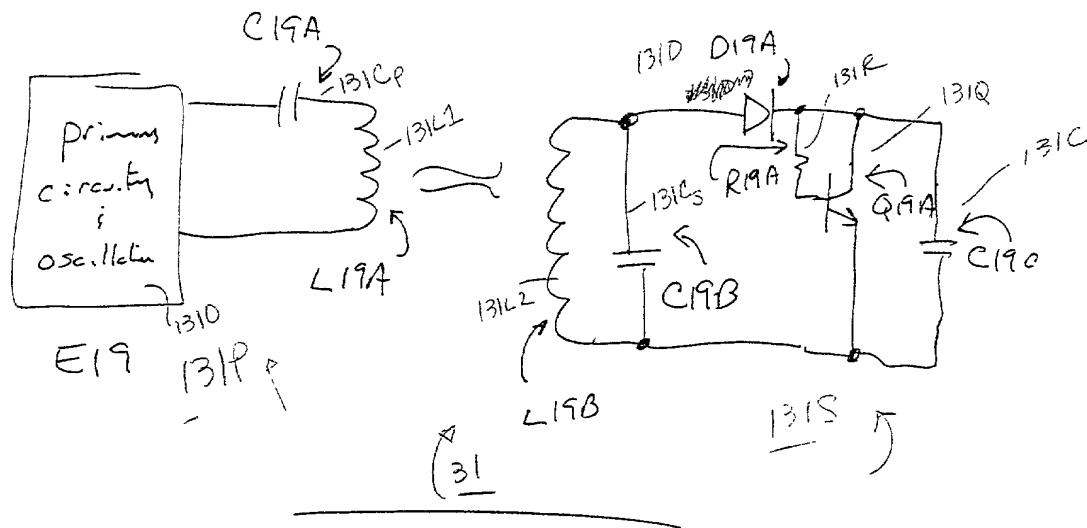


Figure 25

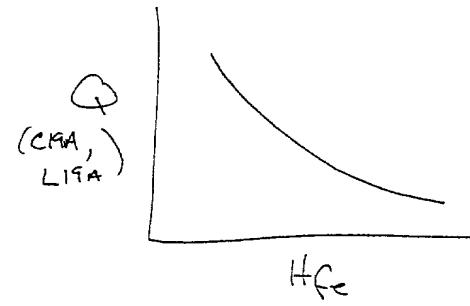


Figure 26.

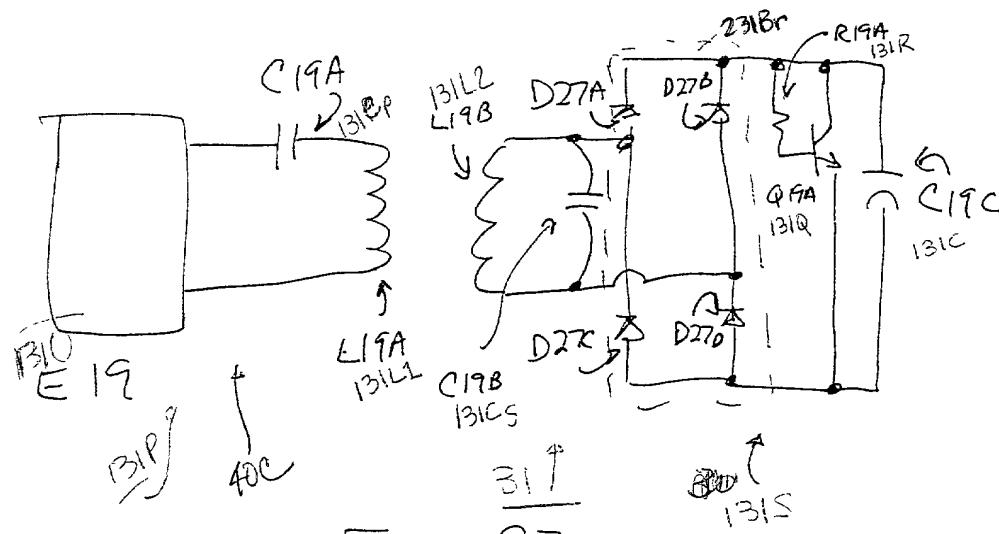


Figure 27

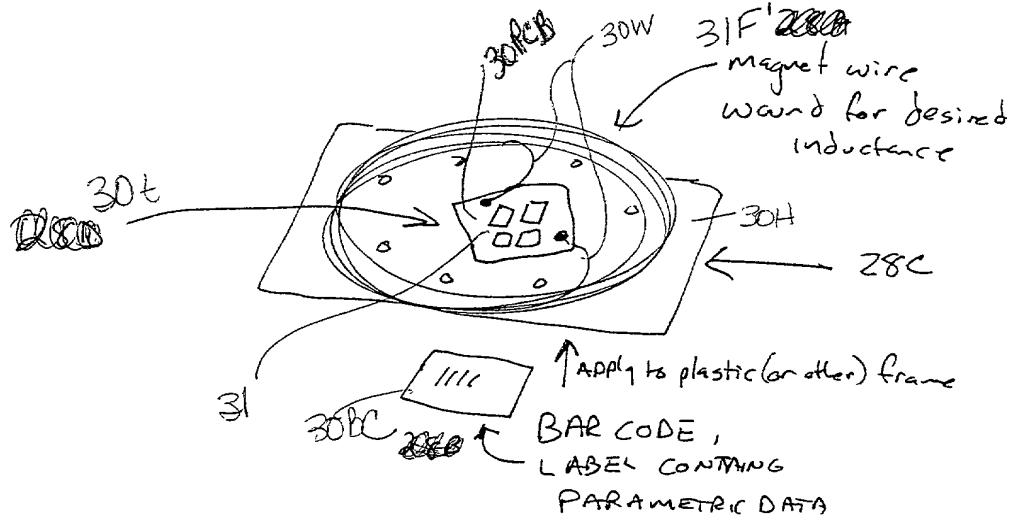


Figure 28, DOSIMETRY TAG